# A Study of Digital Literacy of Teachers Using College Libraries Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.

## 1.1 Introduction:

The college teachers play a significant role in the process of teaching and learning. They impart knowledge and Information to the students. They work as a link between the students and the library in the field of education. They try to update the knowledge by using new techniques and tools. It is also fact that many techniques and tools have been changing continuously to acquire information and knowledge since 20th century. The 21st century is known as the age of Information and Technology. This century witnessed the development of various electronic devices. Therefore, it is essential to know whether the teachers have capabilities to make use of the tools of Information and Technology. After the invention of topography, the written material was used for reading. The development in the field of knowledge occurred due to the revolution of Information and Technology in 21st century. The electronic technology changed the traditional role of users and researchers due to the development of Information and Technology. It is important to see that which tools and devices are used by the teachers to get knowledge and to give it to the students.

Nowadays, various types of digital tools are used to get knowledge and information. The college teachers must be well acquainted with the digital tools and resources. So, to have the effective and an impressive teaching and learning, the college teachers must have digital literacy. The traditional services and facilities have been replaced by new ICT tools in modern libraries. The new concepts and

policies have been emerged due to the changing times and conditions. *Digital Library* is one of the new concepts that came into existence out of it. This is an electronic Technology.

The present era is associated with digital technology. There are many changes occurring due to internet and computer in the field of digital technology rapidly. To acquire the knowledge and information from every field, it is important to have good knowledge about different devices, tools and techniques. Therefore, it is necessary to see and understand whether the college teachers make use of digital tools. If they use it, it is also crucial to see that how they use it. The research will highlight on the digital literacy of the teachers.

The present research work will be helpful to understand that how digital literacy of teachers plays an important role while acquiring knowledge and information. The teachers are the regular visitors and readers of the library. By this time, a lot of new tools and devices are introduced in many libraries. The teachers also must be well-acquainted with these tools and devices. They must have some skills and capabilities to handle it. The present study will focus on the information of digital literacy of teachers using libraries affiliated to Swami Ramanand Teerth Marathwada University, Nanded. It seems that the research on some of the aspects related to the proposed research topic has been done. But, the researcher feels that it is important to carry out the work on the topic entitled *A Study of Digital Literacy of Teachers Using College Libraries Affiliated to Swami Ramanand Teerth Marathwada University, Nanded.*

**1.2 The Review of Literature**:

The intention behind the review of literature is to enable the researcher to get clear understanding of the research topic.

Brooks(2015) studied information literacy in digital era and its advantages librarians. His article focuses on connective theory which was related to Information literacy.

Cordell (2013) in his communication 'Information Literacy and Digital Literacy Complimentary' throws light on multiple categories of library users in different types of libraries.

Shu-Ching (2012), in his book, focuses on the resources for university researchers, scientists, industry professionals, software engineers and graduate students. His book also points out new theories, technologies and system designs.

Tibor (2011) opined that the digital technologies are developing fast and it is necessary to get awareness of media's importance in every sector of knowledge. He highlighted his views on media literacy, information literacy and digital literacy.

Allan (2006) pointed out the digital concepts and tools for Digital literacy development. He asserted that digital literacy is a key factor in education and social life.

Katz (2004) was of the view that there must be an ability to understand tools and network information problems.

Correia(2003) rightly said that library literacy and competencies are required for using library resources and services. He further states that one must have the skills l like search strategy building to locate and evaluate the most relevant information on a given topic. The proper methods enable the uses to use libraries more effectively for research and development.

Japan Ministry of Education (2003) defined digital literacy as a broad range of resources that are accessible online underscores the importance of looking at each of the resources with a critical eye.

David (2001) in the article on ' Information and Digital Literacy:a Review of Concepts' discusses the concepts of information literacy, digital literacy computer literacy, internet literacy and their relationships.

**1.3 Analysis of Definitions:**

**1 Digital :**

According to Margaret Rouse, digital describes electronic technology that generates, stores and processes data in terms of two states: positive and non-positive.

2 **Digital Literacy:**

According to the ALA task force, digital literacy is the ability to use Information and communication technologies to find evaluate create and communicate information requiring both cognitive and technical skills.

**3 Teachers:**

Wikipedia defines a teacher 'as a person who helps students to acquire knowledge competence or virtue'.

**4 College:**

In the University act of 2016, it is said that a college affiliated to the university situated in the university area of jurisdiction.

## 1.4 Objectives of the Research:

The objectives of the research study are:

1 To understand the growth and development of the higher education and colleges.

2 To highlight the awareness of college teachers regarding the facilities available in senior college libraries and assess its utility.

3 To know about the ICT tools used by the college teachers.

4 To throw light on the use of various software and web based services by college teachers.

5 To identify the problems faced by users in accessing digital e-resources.

## 1.5 Hypothesis of the Research:

The hypothesis considered for this study are:

1 The college libraries are well -equipped with the print material and digital resources.

2 The college teachers are unable to use digital resources due to the lack of the skills to handle it.

3 There are some differences between rural and urban college teachers regarding digital literacy skills.

4 The teachers of the different disciplines need to have the knowledge of digital literacy.

5 The teachers make use of different tools and various types of e resources in the library.

## 1.6 Scope and Limitations of Study:

The proposed research will include the senior colleges affiliated to Swami Ramanand Teerth Marathwada University, Nanded. It will focus on 10% colleges under the jurisdiction of SRTMU, Nanded. The digital literacy of the teachers will be studied in the present research. This research work is proposed to be completed up to the year 2023.

## 1.7 Data Collection Method:

The proposed research work will be done by studying survey method. The information will also be collected from the college teachers through questionnaires. The college teachers will be interviewed personally. The collected data and information will be analyzed on the basis of statistical method, certain techniques of research methodology and primary and secondary tools.

### 1.7.1 Questionnaire Design:

Questionnaire is often used in survey as primary data collections tool. Questionnaire is a device for securing answers to questions by using a form which is filled by the correspondent. It is fairly reliable too for gathering data from large varied and scattered social groups.

## 1.8 Importance of the Study:

The proposed research will be helpful to understand about the digital literacy of teachers. This research will be useful for the college teachers. The recommendations of the research will help the users to find out the drawbacks of the teachers handling the tools of technologies and improve themselves by updating their knowledge. The detailed study of the library with various resources, facilities and tools will be highlighted. The present research will be used as the reference material for the further researchers. It will also give proper direction to the budding researchers.

## 1.9 Plan of Research Work:

The present work has been divided in five chapters.

**Chapter I- introduction:**

The first chapter will deal with the need, importance and objectives of the proposed research work. It will also deal with introduction, concepts, hypothesis, scope and limitations of the present study. The research done on the related with the topic will be highlighted. It is the key focus of any research to give analysis of the review of literature. It is useful to understand recent trends of any particular research.

**Chapter II- The Review of Literature**:

This chapter will deal with the relevant review of literature. The analysis of the reviewed literature is the key focus of any research. It enables to be aware of the current trends in any particular branch of research. It is an objective analysis and interpretation of the contribution of author's literature. It is grouped as follows:

1.Introduction

2. Authorship Pattern

3. Digital Literacy

4. Citation Analysis

5 Co-authorship Pattern

6 Conclusion

**Chapter III- Research Methodology**

This chapter will highlight the research methodology adopted in data collection from college teachers working in affiliated colleges under the jurisdiction of Swami Ramanand Teerth Marathwada University, Nanded. A structured questionnaire is prepared to collect data from the teachers.

## 3 Data Analysis and Interpretations:

This chapter is concerned with the digital literacy of quality teachers affiliated to Swami Ramanand Teerth Marathwada University, Nanded . This chapter will also focus on the statistical analysis of the collected data for the analysis. Minitab software as well as other statistical tools will be used for the research. The data is collected in the table form, pictorial and graphical form with Interpretation for testing the hypothesis.

## Chapter V- Findings,Conclusion and Recommendations:

This chapter summarizes the major findings and recommendations. This chapter will highlight on the concrete findings, concrete solutions with a 'model' for digital literacy of teachers. Further details and biographical references and appendices will be provided.

1 Appendix

2 Questionnaire

3 The list of colleges

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